

## Refine Search

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### Search Results -

Terms	Documents
L54 not L30	18

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:






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### Search History

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DATE: Monday, July 10, 2006    [Printable Copy](#)    [Create Case](#)

**Set****Name Query**side by  
side

*DB=PGPB,USPT,USOC; PLUR=YES; OP=ADJ*

L55 L54 not l30L54 L53 not l49L53 l40 same l44L52 l40 same l26L51 l11 and L49L50 l8 and L49L49 oil with filter with l44L48 L46 and l11L47 L46 and l12L46 l34 with l44L45 l43 and L44L44 l26 (metal or fiber or powder)L43 l34 same l26

L42 L41 and l26  
L41 l8 and L40  
L40 l16 or l17 or l18 or l19 or l20  
L39 l8 and l14  
L38 L37 and l26  
L37 l8 and l14  
L36 l8 and L35  
L35 l33 and L34  
L34 l14 or foil  
L33 l16 or l17  
L32 l30 and l8  
L31 L30 and l16  
L30 L29 and l18  
L29 l27 or L28  
L28 l26 with l14  
L27 l26 with foil  
L26 l21 or l22 or l23 or l24  
L25 l21 or l22 or l23 or l24L24  
L24 calcium or Ca  
L23 cadmium or Cd  
L22 magnesium or Mg  
L21 zinc or Zn  
L20 neutraliz\$ oil filter  
L19 neutraliz\$ filter  
L18 neutralizing acid\$  
L17 (acid or acidic) oil filter  
L16 (acid or acidic) filter  
L15 oil filter  
L14 (porous or perforated) (sheet or foil)  
L13 filter  
L12 engine oil  
L11 l9 or L10  
L10 (252/189).ccls.  
L9 (210/498,499,500.21,500.22,500.23,500.25,501,503,504,505,509,323.1).ccls.  
L8 l1 or l2 or l3 or l4 or l5 or l6 or L7  
L7 ("6337309"|"6482778"|"6537453").PN.  
L6 ("5728656"|"6096693"|"6197075"|"6300291"|"6306801"|"6314153").pn.  
L5 ("5462682"|"5562864"|"5604188"|"5688479"|"5712236").pn.  
L4 ("4748194"|"4812434"|"4957642"|"5009799"|"5069799"|"5338348"|"5358753").pn.  
L3 ("4748194"|"4812434"|"4957642"|"5009799"|"5069799"|"5338348"|"5358753").ccls.  
L2 ("4748194"|"4812434"|"4957642"|"5009799"|"5069799"|"5338348"|"5358753").ccls

L1 ("2893561"|"20040140255"|"3898168"|"3904742"|"4066559"|"4229309"|"4487704"|"4625596").I

END OF SEARCH HISTORY